

EXHIBIT “A”

UNITED STATES DISTRICT COURT
WESTERN DISTRICT OF PENNSYLVANIA

COPY

TINA LINDQUIST,

Plaintiff,

vs.

HEIM L.P.,

Defendant.

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NO. 04-249E

The discovery deposition of ANTHONY ROBERT
MASE, JR., taken in the above-entitled cause,
before Kyla Elliott, a notary public of Cook
County, Illinois, on the 27th day of July, 2005, at
33 North LaSalle Street, Chicago, Illinois,
pursuant to Notice.

Reported by: Kyla Elliott, CSR, RPR

License No.: 084-004264

1 THE WITNESS: Correct.

2 BY MR. HARTMAN:

3 Q. And then if you can't design them out or
4 guard against them, then the proper process for
5 manufacturing and designing a product would be to
6 warn the user of the danger, am I correct?

7 MR. ROBINSON: Objection to the form.

8 THE WITNESS: I believe that to be the case.

9 BY MR. HARTMAN:

10 Q. Okay. Does Heim use that analysis when it
11 manufactured the brake press involved in the
12 accident with Tina Lindquist?

13 A. I believe so.

14 Q. Now, with regard to the point protection
15 and point of operation. At the time Heim
16 manufactured -- strike that.

17 Do I have to --

18 Do you know what brake press I'm talking
19 about that was involved in the Tina Lindquist
20 accident?

21 A. Yes.

22 Q. Would you describe it for me? What's the
23 model number?

24 A. It's a 70-6, which is a 70 ton 6-foot

1 press brake, mechanical.

2 Q. And when was it sold?

3 A. I believe it was sold in 1978.

4 Q. Okay. How long had that press brake
5 been -- how many years prior to '78 had that press
6 brake been offered for sale by Heim?

7 MR. ROBINSON: The specific press brake ?

8 MR. HARTMAN: The model.

9 THE WITNESS: I'm not absolutely sure.

10 BY MR. HARTMAN:

11 Q. Can you give me an estimate?

12 A. My estimate would be 1968.

13 Q. Okay. And do you know when that model was
14 discontinued, the 70-6?

15 A. It has not been discontinued.

16 Q. It's still being used?

17 A. That's correct.

18 Q. I'm sorry, still being manufactured?

19 A. Yes.

20 Q. Is the 70-6 press brake part of a family
21 of press brakes, otherwise is there like a 60-6, is
22 there a family of similar press brakes except a
23 different size and width?

24 MR. ROBINSON: I'll object to the form of the

1 question, you've just added similar and then you've
2 also added a difference in size and width. I don't
3 know what you mean by family.

4 BY MR. HARTMAN:

5 Q. Do you know what family press brakes would
6 be?

7 A. I believe I know where you're going with
8 what your question is.

9 Q. What would you call press brakes that are
10 essentially the same differing in size but
11 different in size?

12 A. I would call them a series.

13 Q. Okay. What sizes are in the series of
14 press brakes that the 70-6 belongs to?

15 A. They vary in lengths, such as, 4 foot, 6
16 foot, 8 foot, 10 foot.

17 Q. They do not vary in tonnage?

18 A. No.

19 MR. ROBINSON: What were the other ones, 4
20 foot, 6 foot, 10 foot.

21 THE WITNESS: Vary in length. 8 foot.

22 BY MR. HARTMAN:

23 Q. The 70 series would be 70 tonnage
24 different sizes of bed, is that what you --

1 A. That's correct. 70 ton would designate
2 the tonnage, the dash 6 would designate the length.

3 Q. The length of what?

4 A. The bed.

5 Q. That's what I said.

6 A. I'm sorry.

7 Q. We're -- okay. Is there like on 80
8 series, a 90 series, a 100 series of press brakes?

9 A. Yes.

10 Q. And would they differ -- would the series
11 differ only in that there are different bed sizes
12 as well when you talk about the 80, 90, 100?

13 A. The change comes in tonnage and in bed
14 length.

15 Q. Okay. What's the lowest amount of tonnage
16 of a press brake that would be similar to the 70
17 series?

18 MR. ROBINSON: I'll object to the question and
19 your confusion of the word similar.

20 THE WITNESS: We build a 30-ton series, a
21 45-ton series, 70-ton series, 100-ton series.

22 BY MR. HARTMAN:

23 Q. Is 100-ton series the highest tonnage you
24 go?

1 Q. Do you know the negotiations that took
2 place with Heim with regard to the sale of this
3 particular machine?

4 A. No.

5 MR. ROBINSON: Just for clarification, are you
6 talking about from personal knowledge or from his
7 review of the sales documents that we've provided?

8 BY MR. HARTMAN:

9 Q. Well, A, personal knowledge.

10 A. No.

11 Q. Reviewing the sales documents, do you know
12 how the purchasing process took place?

13 A. I believe I do.

14 Q. Okay. Would you please describe that for
15 me?

16 A. I believe from reviewing the file it was
17 sold through a distributor through an end user
18 known as Afco.

19 MR. ROBINSON: Afco.

20 THE WITNESS: Afco.

21 BY MR. HARTMAN:

22 Q. Do you know what Afco was going to do with
23 the press?

24 A. No.

1 Q. Does Heim know what type of parts were
2 going to be worked with utilizing the press?

3 MR. ROBINSON: Just -- I don't mean to be
4 difficult. When you say press, I assume you're
5 meaning press brake.

6 MR. HARTMAN: We're talking about the
7 particular press brake.

8 MR. ROBINSON: It is a press brake, it is not a
9 press, as this witness has indicated.

10 BY MR. HARTMAN:

11 Q. When I refer I -- I will tell you this,
12 that when I refer to this particular press brake,
13 if I utilize the term -- shortened term press, I
14 will always mean press brake. If I say press and
15 you agree, I'm not going to say it's something
16 other than a press brake.

17 MR. ROBINSON: I appreciate that.

18 BY MR. HARTMAN:

19 Q. Is that fair?

20 A. Fair.

21 Q. When we go beyond that then I'm going to
22 be talking specifically mechanical presses, press
23 brakes and punch presses, do you understand that?

24 A. I understand.

1 Q. Do you know what type of parts were going
2 to be formed utilizing the press brake that's
3 involved in this lawsuit?

4 MR. ROBINSON: At its original purchase?

5 MR. HARTMAN: Yes.

6 THE WITNESS: I don't believe they knew.

7 BY MR. HARTMAN:

8 Q. As a sales manager, when a customer
9 contacts you to purchase a press brake, would you
10 inquire as to what type of parts the customer's
11 going to utilize the press brake for in order to
12 ascertain the capacity of the press brake that fits
13 the customer's needs?

14 MR. ROBINSON: I'll object to the form of the
15 question.

16 THE WITNESS: No.

17 BY MR. HARTMAN:

18 Q. Tell me how it works that a customer --
19 tell me how it works with regard to typically --
20 strike that.

21 Is there a typical scenario where a person
22 purchases a press brake?

23 A. Yes.

24 Q. Okay. Tell me the typical scenario?

1 A. I believe the scenario would be a customer
2 already has a knowledge of what he wants to
3 produce, has researched that product and would
4 provide a manufacturer such as Heim or someone else
5 a typical tonnage such as a 70 ton, a certain
6 length being a 6 foot would be the request. It is
7 a general purpose machine.

8 Q. Okay. So the typical sales transaction
9 does not involve Heim trying to ascertain what the
10 press brake is going to be utilized for?

11 A. Correct.

12 Q. The customer makes that decision and makes
13 the request from Heim as to the size of tonnage and
14 the length of the bed?

15 A. Correct.

16 MR. ROBINSON: Just so we have the correct
17 terminology down, when you use the term customer,
18 you might want to ask some questions or delve into
19 that issue because many times these go through
20 distributors which, in fact, is a customer and not
21 the end user.

22 MR. HARTMAN: That's fair. Thank you for that.

23 BY MR. HARTMAN:

24 Q. Was this a direct purchase by Afco --

1 MR. ROBINSON: That's it.

2 BY MR. HARTMAN:

3 Q. Was that a direct purchase where Afco had
4 communications directly with Heim or was it a
5 hybrid where they purchased it through the
6 distributor and had direct communication with Heim
7 or did Afco just have communication with the
8 distributor?

9 A. I believe this purchase was as an end user
10 through a distributor to Heim.

11 Q. Did Heim have communication with Afco
12 Lycomie with regard to the purchase and sale of
13 this press brake?

14 A. I don't believe that's the case.

15 Q. So -- in looking at the manual and the
16 sales, it appears that a foot pedal accompanied
17 this press brake?

18 A. Yes.

19 Q. Am I correct that a foot pedal -- strike
20 that.

21 According to the manual a foot pedal came
22 standard with regard to these press brakes?

23 MR. ROBINSON: What's the question?
24

1 particular purchaser HB Machinery Co?

2 A. It says no.

3 Q. And does this document tell us whether or
4 not HB Machinery Co requested a foot switch for
5 activation of this press brake?

6 A. It's itemized as yes.

7 Q. And would that mean that HB Machinery Co
8 requested a foot switch for -- to accompany the
9 sale of this particular press brake?

10 MR. HARTMAN: I'm going to object to the form
11 of the question because there's nothing in that
12 document that indicates that there's a request, it
13 indicates what has been provided with it. The
14 witness has already testified as a piece of
15 standard -- a standard piece of equipment that
16 accompanies all of the press brakes. Go ahead.
17 I've noted my objection for the record.

18 BY MR. ROBINSON:

19 Q. Does this sales document tell you that the
20 purchaser, HP Machinery Co, has requested a foot
21 switch to accompany its purchase of this press
22 brake?

23 A. Yes.

24 MR. HARTMAN: Are you saying, sir --

1 MR. ROBINSON: Hold on, you're not asking
2 questions. He's not answering your questions.

3 MR. HARTMAN: You asked questions when I was
4 asking questions.

5 MR. ROBINSON: I really didn't. You're going
6 to give me the opportunity to ask him questions,
7 he's not going answer questions you interject to
8 right after mine. That's inappropriate in every
9 sense of a taking of a deposition.

10 BY MR. ROBINSON:

11 Q. Was the press brake that was sold -- all
12 of my questions relate to the particular press
13 brake that was sold to HB Machinery Company. Was
14 it a completed product when sold to HB Machinery?

15 A. A completed product in the sense that as
16 far as we're concerned does not have -- could not
17 form a function.

18 Q. Okay. Was it a completed product in the
19 sense that you could ship it to a company and that
20 they could begin using it as is?

21 A. No.

22 Q. And what types of work, what types of
23 additions needed to be added to the press brake by
24 the purchaser or by the entity to whom it was

1 shipped before it could function?

2 A. I would suspect that the end user would
3 require a dye for it and would also provide the
4 point of operation safety required in conjunction
5 with the operation of that dye and any other
6 ancillary equipment that the end user would choose,
7 you know, such as barrier mounts or isolation pads
8 or certain ancillary equipment such as barrier
9 mounts, point of operation safety, whatever else,
10 feeding equipment.

11 Q. Is there any indication in the sales file
12 that Heim was ever notified as to what particular
13 uses to which the purchaser or the entirety to whom
14 it was shipped was going to put to this particular
15 press brake?

16 A. No indication.

17 Q. Do you understand from your review of the
18 sales file that the press brake ultimately came
19 into the possession of Corey Manufacturing a
20 subsequent purchaser of the press brake?

21 A. Only aware of it through the documents in
22 the file that would indicate that they were not the
23 first owner/operator of the machine.

24 Q. Okay. And is there any indication in the

1 for a particular application and then subsequently
2 have a new application that is necessary and so
3 forth and so forth and continuously change the
4 application for the press brakes?

5 A. I wouldn't be surprised if there was
6 numerous applications for each particular press
7 brake.

8 Q. I would take it it wouldn't surprise you
9 to know that the Corey Manufacturing employees that
10 we talked to said that there were numerous uses for
11 the press brake that was put during its use of the
12 press brake?

13 A. I'm not surprised.

14 Q. Do you have any way of knowing how many
15 different uses Afco Lycomie put to this particular
16 press brake throughout its 20 something years of
17 ownership of this press brake?

18 A. No.

19 Q. Did Heim ever receive any type of
20 complaint regarding the point of operation for this
21 particular press brake during Afco Lycomie's
22 ownership of the press brake?

23 A. Not that I'm aware of.

24 Q. Has Heim ever received a point of injury

1 from the use of the serial number 2176 press brake
2 while in the ownership of Afco Lycomie?

3 A. Not that I'm aware of.

4 Q. In the industry, sir, who selects the
5 appropriate point of operation safety device for
6 any particular application?

7 A. It's the responsibility of the end user.

8 Q. Are you aware that the ANSI requirements
9 since at least 1973 have placed that responsibility
10 on the end user?

11 A. I'm aware of that, yes.

12 Q. And particularly the employer?

13 A. Yes.

14 Q. And are you aware that OSHA also places
15 that responsibility upon the employer?

16 A. I'm aware of that, yes.

17 Q. Are you aware of any standard at all
18 governing Heim or any manufacturer of press brakes
19 that places responsibility upon the press brake
20 manufacturer for choosing an appropriate point of
21 operation safety device for a press brake?

22 A. Not that I'm aware of.

23 Q. Would that work if the manufacturer were
24 required to choose an appropriate -- strike that.

1 Would it work if the manufacturer would be
2 required to choose a point of operation safety
3 device for the press brake?

4 A. I don't understand your question. Can you
5 restate that for me?

6 Q. Would it be practical for the manufacturer
7 of a press brake to choose a point of operation
8 safety device to accompany the sale of a press
9 brake?

10 A. I wouldn't think so because of the
11 numerous applications they could be subjected to.

12 Q. And if a manufacturer of a press brake did
13 supply a particular point of operation safety
14 device, can you envision situations where the use
15 to which the press brake was being made would not
16 permit the use of that particular point of
17 operation safety device?

18 A. I don't know. I'd say -- unless it was a
19 captive press that would be the only time it would
20 be able to do that.

21 Q. When you say a captive press, what do you
22 mean?

23 A. In other words, if it was just going to be
24 one application for the lifetime of that machine

EXHIBIT “B”

IN THE U.S. DISTRICT COURT
FOR THE WESTERN DISTRICT
OF PENNSYLVANIA

* * * * *

	*
TINA LINDQUIST,	*
Plaintiff	* Case No.
vs.	* 04-249E
HEIM, L.P.,	*
Defendant	*
	*

* * * * *

DEPOSITION OF
ROBERT ROONEY
September 8, 2005

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by the certifying agency.

1 there.

2 Q. Okay. Did you ever have any
3 problems with the Heim brake press?

4 A. Personally?

5 Q. Yes.

6 A. Not anything you ---. If you
7 know anything out of the ordinary, you
8 know, when you're running these jobs
9 and stuff, you know, we usually shut
10 them down and get maintenance over
11 there to check everything out. If it's
12 not done properly, we aren't supposed
13 to be using it. We red-flag it and
14 then they'll come over and knock it
15 out. But other than that, that machine
16 just runs just like every other one.

17 Q. Who is it that makes a decision
18 at Corry as to what type of activation
19 device would be used? For instance,
20 the Heim had the ability to use the
21 foot pedal or the two-palm button,
22 depending upon the application.

23 A. Who would that be?

24 Q. Yes, who would make that
25 decision?

1 A. I don't know if that would be
2 the supervisors or maintenance.

3 Q. Was that your decision?

4 A. No, it isn't my decision.

5 Q. Had you ever instructed anyone
6 to use the foot pedal as opposed to the
7 two-palm button switch?

8 A. I think everybody that was there
9 ran that job or ran various types of
10 jobs out here. They already knew from
11 the experience they already had on that
12 job, what's going to be easier for
13 them. Basically, it's their option.

14 Q. It's the user's option. So it
15 would have been Tina Lindquist's option
16 to use ---?

17 A. I would say options there, yeah.

18 Q. Okay. And I think I mentioned
19 to you before we were on record, Joe
20 Nickels, we talked with him in a
21 deposition. He said just that. He
22 said that anytime he used the Heim
23 brake press, he would use the two
24 palm-button switch. He didn't want to
25 use the brake pedal. Had you ever used

1 the two-palm button switch on the Heim?

2 A. I have, yeah, I have.

3 Q. Do you know of other workers
4 that have used the two-palm button
5 switch on the Heim?

6 A. I think everybody there has used
7 it, too. It depends on what type of
8 job you're doing and if you have to
9 hold the part or whatever, you know.

10 Q. And what do you mean by that?
11 Are you saying if you have to hold the
12 part, then you ---.

13 A. Well, sometimes you have to put
14 a little bend on it. You might have to
15 hold that part, so you got to keep one
16 hand there. It's away from the press,
17 and you use your foot pedal unless you
18 cut a jig, it'll hold the material for
19 you.

20 Q. What was the part that you
21 referenced as the 1707?

22 A. Those were a core plug. And
23 they ---.

24 Q. A core plug?

25 A. Yeah.

1 Q. Okay.

2 A. And they had --- lets see. I
3 think there was four operations on that
4 brake press alone. They ran them right
5 down the line, just different guys.
6 And that was said to be for that job
7 only.

8 Q. For how long before the accident
9 was Corry making the 1707?

10 A. They've been making them for
11 years. I'd say as long as I've been
12 there.

13 Q. Do you know of anyone else who's
14 ever been injured on the Heim press
15 brake, making the 1707?

16 A. Nope.

17 Q. Do you know of anyone that's
18 been injured in press-brake making, in
19 any particular part?

20 A. I had --- nope. That was my
21 first time I'd ever seen anybody get
22 hurt since I've been there.

23 Q. You said you think there were
24 four different operations?

25 A. There was four, yeah.

1 Q. Can you tell us about those,
2 describe those for us?

3 A. Well, you got two forms, one on
4 each end. The material comes in flat,
5 and then one here and you go through
6 all your steps. Then you flip your
7 starter on. I think there's like a
8 little butterfly or something. And on
9 the fourth stage that she was in, you
10 had to put the part on. You only had
11 two little tabs for locators. You had
12 to squeeze it around the manual.

13 Q. With your hands?

14 A. With your hands.

15 Q. Right.

16 A. And then that's when you pull it
17 out.

18 Q. Okay. Can you describe for us
19 what the product looks like before any
20 work is done on it ---?

21 A. It's a flat piece of steel, is
22 all it is.

23 Q. And how big is it?

24 A. That piece of ---. The part
25 would probably be only maybe about

1 A. Every operation has a different
2 tool.

3 Q. You just used the word tool. Is
4 that the same as using the word die?

5 A. Yeah. Tools and tool.

6 Q. Pardon me?

7 A. Tool.

8 Q. Are you using the word die and
9 tool to be the same?

10 A. I'm using a different tool.
11 That would be a different tool.

12 Q. Okay. Help me out.

13 A. Presses would have a different
14 die. Yeah, if you're going into a
15 punch press, that's a test called a
16 die. Just two of them is in the break
17 press. You know, you might have to
18 change your top tool or your bottom
19 tool.

20 Q. Okay.

21 A. You might have a different punch
22 or whatever. A different radius or
23 whatever.

24 Q. Yes, okay. What are you
25 referring to as the die?

1 A. The die is like a punch press
2 die with --- you know, like 100 punch
3 presses, little punches and it appears
4 out in spurts. That's a die.

5 Q. Okay. What did you need to
6 change out during each of the
7 operations? What do you call that, is
8 that a tool?

9 A. Yeah. I had top and bottom.

10 Q. Okay. Have you ever seen the
11 Heim press brake perform an operation
12 without any tools or without any dies
13 on it?

14 A. With nothing on it?

15 Q. I think you're kind of answering
16 my question. Was it able --- did it
17 function if there weren't any tools or
18 dies on it? Could you actually use it
19 for anything at Corry if it didn't have
20 any tools or dies on it?

21 A. They probably could, but I've
22 never seen it used. I see what you're
23 saying. You know, like cornering or
24 whatever?

25 Q. Yes, whatever came in. Whenever

1 the press brake did not have any tools
2 or dies on it, it couldn't perform any
3 function, could it?

4 A. No.

5 Q. Okay. And so one of the things
6 that had to be done with these
7 operations is for each operation, it
8 would have to be tooled and new dies
9 would have to be installed?

10 A. Yep.

11 Q. It couldn't work until that was
12 done?

13 A. That's right.

14 Q. Okay.

15 A. Every job has its own tool.

16 Q. And during each of these
17 operations, would you run through that
18 entire operation, one side being bent
19 on all of the pieces, and then when you
20 were done with that, then you would
21 start the other operation and bend the
22 other side?

23 A. Yep.

24 Q. And then the third process of
25 the butterfly and the fourth process of

1 hand forming on the manual ---

2 A. Yep.

3 Q. --- to finalize the final
4 product.

5 A. Yep. When they walked out
6 there, that product was --- after you
7 handled it. Then lots came in,
8 probably, I've seen them in 250 pieces
9 in one line. So you handle them in 250
10 pieces times four. You got to go
11 through four different dies.

12 Q. Okay. How long did it take to
13 change out the dies during each of the
14 processes?

15 A. About five minutes.

16 Q. That's it? And you changed out
17 those dies for each of those
18 operations? You have to answer
19 verbally.

20 A. Yes, I have.

21 Q. Had you ever trained anyone on
22 the operation of the press brake or any
23 of the presses at Corry Manufacturing?

24 A. Everyone over there has, all the
25 guys did.

1 cut too easily.

2 Q. And how so, what do you mean by
3 that?

4 A. Well, you never know. At least
5 if you're standing up, you can get out
6 of the way of something, you know, like
7 if a piece of steel comes at you or
8 whatever, you know. You're not going
9 to be stuck there, you know. So my
10 motto was always, I like to stand.

11 Q. When you stand and perform the
12 various operations that need to be
13 performed for the 1707, would you move
14 the foot pedal or would it all stay in
15 one location?

16 A. You can stand it wherever you
17 wanted.

18 Q. Was there a need to move it
19 during these different operations?

20 A. Shouldn't have to, really.

21 Q. Can you describe the foot pedal
22 that existed at the time of her injury?

23 A. What it was is, it looked like a
24 regular --- well, it looked like that
25 bowl. You stick your foot inside.

38-40

1 Q. It was fully-enclosed housing?

2 A. Yep.

3 Q. But you had to stick your foot
4 inside?

5 A. Yep.

6 Q. Did it have a plate over the
7 front?

8 A. No.

9 Q. Did any of ---. Well, can you
10 describe it any more?

11 A. All it is, is just a foot pedal.
12 Just a foot pedal with a housing on the
13 top. That's all it was. And you put
14 it in. You stick your foot the whole
15 way in, so it had be.

16 Q. That's a good point. How far in
17 from the outside of the housing was the
18 actual pedal?

19 A. It was probably two or three
20 inches.

21 Q. Okay. So you couldn't just have
22 your ---.

23 A. Stick your toes.

24 Q. You would actually stick your
25 whole foot in up through the instep of

1 your foot? Is that yes?

2 A. I would say yes. Yes.

3 Q. Did you ever have any problems
4 with the foot pedal that existed?

5 A. I never had any problems with
6 the foot pedal.

7 Q. What color was the foot pedal?

8 A. Yellow.

9 Q. Do you know where that came
10 from?

11 A. I don't know. It's another
12 maintenance issue there.

13 Q. Do you know where it went after
14 this accident?

15 A. I couldn't tell you that either.

16 Q. No one seems to know. I think
17 it was maybe thrown away.

18 A. It could've been.

19 Q. Do you have any idea how old
20 that foot pedal was?

21 A. I don't know. There's a
22 questionnaire that you need to ask
23 maintenance.

24 Q. Well, we did and they didn't
25 know either. You don't know if that

EXHIBIT “C”

HEIM CORP.

ACKNOWLEDGEMENT

FRANKFORT, ILL. 60423

P. O. BOX R

815-469-2335

ASSEMBLY ORDER FOR PRESS BRAKE2176
wjm

Back of:

e Rec'd 4/21/78 MODEL NO. 75-5 SERIAL NO. 2176 DUE DATE 5/18/78

LD TO: H-S MACHINERY CO. P.O. NO. 3458

IP TO: AYCO LYCOMING DIVISION, 550 South Main St., Stratford, Conn. 06497

PRESS BRAKE TO INCLUDE:

BASE PRICE	Specifi- cation		Specifi- cation		Specifi- cation	
ROKE	3		RAM INDICATOR	YES	COUNTER	NO
UT HEIGHT	12		RAM POWER	YES	BALANCE	NO
ITOR HP	5		HORN EXT. RIGHT	NO	RAM MACHINE	NO
ITOR RPM	3600		LEFT	NO	FOR ANGLES	NO
ITOR FRAME			LUBRICATION:		BED MACHINE	NO
			ONE SHOT	YES	FOR ANGLES	NO
			AUTOMATIC	NO	WELDED ANGLES	NO
			TRU-KON TROL		PERMANENT	NO
			PRESS BRAKE	YES	FLANGED BED	NO
			TRU-KON TROL		PERMANENT	NO
			PUNCH PRESS	NO	FLANGED RAM	NO
PULLEY						
ARTER: STD.	YES		PALM BUTTONS	NO	CAST BRACKET	NO
REV	NO				BOLSTER PLATE	NO
LTAGE	340 V		FOOT SWITCH	YES	DIE BLOCK	YES
			BACK GAUGE, FRONT	YES		
			OPER. MANUAL	YES	PAINT	STD.
			POWER	NO		

OPTIONAL EQUIPMENT:**THIS ORDER IS SUBJECT TO CANCELLATION CHARGES.**

MARKS:

Order is accepted subject to the right of the purchaser to cancel the same at any time prior to shipment upon written notice to this company of such cancellation and payment of a cancellation charge of twenty per cent of the total amount of the order. If such notice is received within fifteen days from the date of the order, such cancellation charge will be waived.

e Completed By Date Shipped By

Jax MA=Machine for angles H=Horn Press PF=Permanent Flange

INSPECTION SHEET PRESS BRAKE

Date	Model No. 90-6	Serial No. 2176						
Item	Check	Spec./Comment	OK	By	Objection	Correction	OK	By
Stroke	Dim. inches	3"		B7				
Shut Height	Ram to bed strk dn-adj. up	12"		OK				
Strokes/minute	Actual count	25 strokes		OK				
Flywheel	Exact dia. and thickness	24" x 3 1/2"		B7	✓ OK by	WALLY + B Ramsay		
Flywheel Rotation	Clockwise/counterclockwise	C.C.W.		B7				
V-Belts	Section size and length	B-85		B7				
V-Pulley	O.D. and bore	4460-80		B7				
Ram Adj. Up	Actual ram indicator reading	2.0180		OK				
Ram Adj. Down	Actual ram indicator reading	6.500		OK	✓			
Ram and Bed Alignment	Clamp bar on each end bring ram down and measure	L. 5, 5 1/16 R. 5 1/16, 5 1/16		OK				
Lubricator	Make and size	Bylan one shot		B7				
Lube Type	Kind of oil or grease used	Hydraulic oil		B7				
Oil Meters (Ram Guides)	Actual size	#1		B7				
Oil Meters (Conn. Rods)	Actual size	#3		B7				
Oil Meters (Main Brngs)	Actual size	#2		B7				
Oil Lines	Purged and fittings tight	OK		B7				
C'bal. Cylinders	Bore and stroke	NA		B7				
C'bal Cyl. Bar	Size and length	NA		B7				
C'bal. Cyl. P.S.I.	Press. req'd to take up ram	NA		B7				
C'bal Pressure Sw.	P.S.I. set @	72		OK				
Main Pressure Sw.	P.S.I. set @	72 PSI		OK				
Clutch Hub	Bore & thickness	2 1/8" x 3"		B7				
Clutch Hub Lock	Type and tightness	Not a Lock Ring		B7				
Clutch Plates	Quantity and size	3 plates		B7				
Clutch Shims	Quantity and thickness	2 per pin		B7				
Clutch Operation	Friction and heat	OK		OK	✓			
Brake Hub	Shape, bore and thickness	2" x 2 1/8"		B7				
Brake Disc	Bolts, runout and concentricity	3 bolts		B7				
Brake Caliper(s)	Quantity bolts and run out	one		B7				
er Mtg. Bolts	Dia. length and head clearance	1" x 2; 1/2 clearance		B7				
Die Block	Position in groove and size	standard		B7				
Horn, Extension(s)	Length and R and/or L	Na		B7				

